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**Dimensional Specifications
for Sealed Beam Headlamp
Units — SAE J571c**

SAE STANDARD

LAST REVISED FEBRUARY 1975

SOCIETY OF AUTOMOTIVE ENGINEERS, INC.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096



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Report of Lighting Division approved February 1940
and last revised February 1975.

1. SCOPE-This standard applies to dimensions for design guidance to assure interchangeability of sealed units, mounting rings or lamp bodies, and retaining rings. It is not intended that this standard be used for compliance. Compliance shall be based on tests specified in other related standards.

2. General Requirements for Sealed Beam Headlamp Units (Figs. 1,3,4,6 and 7).

2.1 For 7 in. (178mm) and 5-3/4 in (146mm) units there shall be no raised letters or embossing on outside surface of lens between a minimum diameter of 1.50 in. (38.10mm) and a maximum diameter of 3.60 in (91.44mm) about the center of the lens.

2.2 For 4 x 6-1/2 in. (100 x 165mm) units there shall be no raised letters or embossing on the outside surface of the lens within a maximum diameter of 2.8 in. (71.12mm) about the center of the lens.

2.3 Manufacturer's name and/or trade

mark shall appear on lens.

2.4 "Sealed Beam" in letters 1/4 ± 1/32 in (6.35 ± 0.71mm) high shall appear on lens.

2.5 The face of letters, numbers, or other symbols molded on the surface of the lens, shall not be raised more than 0.020 in (0.508mm).

2.6 Trade number and voltage shall be marked on the unit.

2.7 Aiming pad designs may vary but shall meet limiting dimensions as shown.

3. General requirements for sealed beam headlamp mounting rings.

3.1 Mounting rings for 7 in (178mm) and 5-3/4 in (146mm) Type 1 and Type 2 (Figs. 2 and 5) have three locating notches, one of which is narrower than the others. The narrow notch is shown in the preferred location at a 7 o'clock orientation. However, the narrow notch may be located at 2 o'clock.

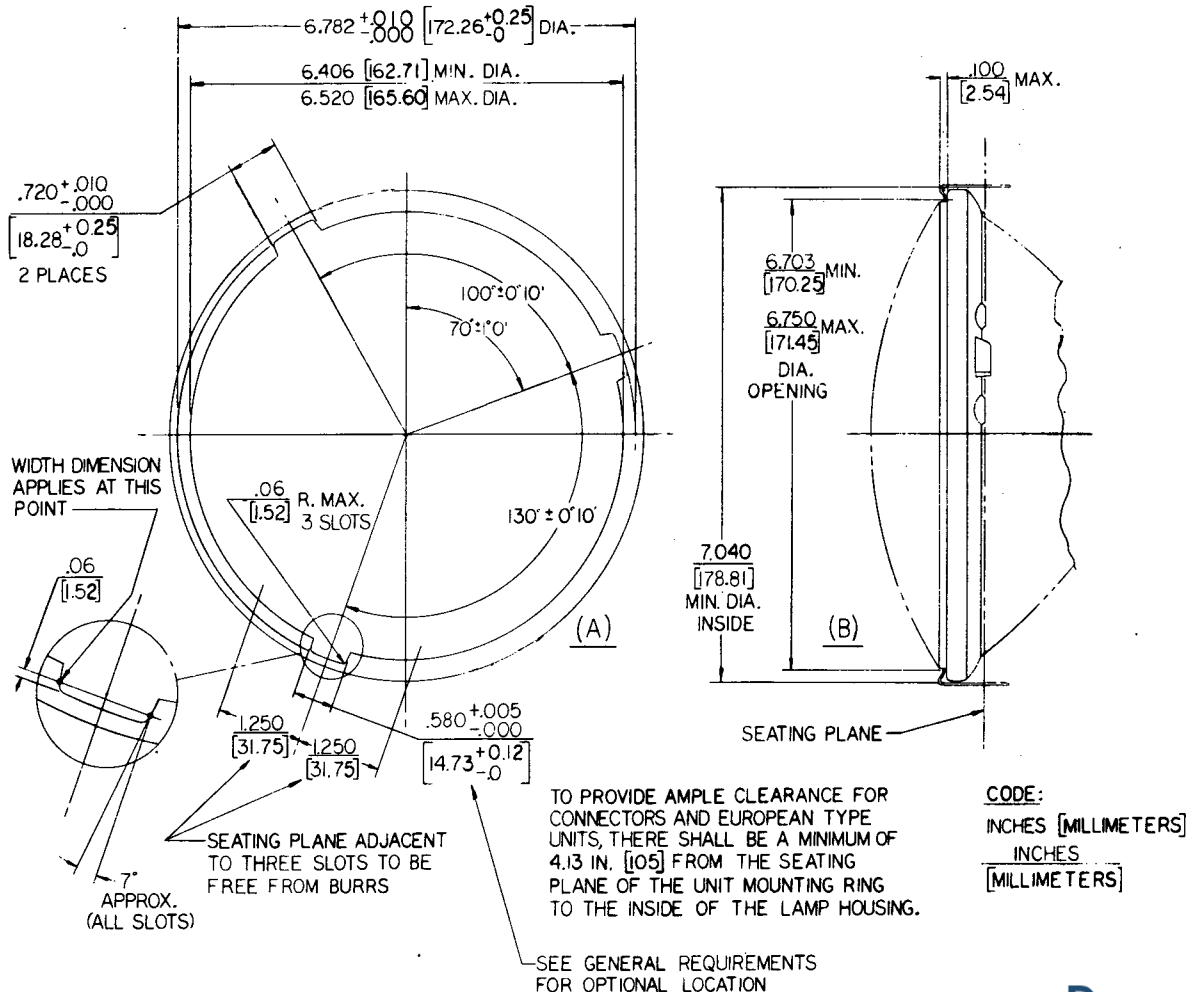
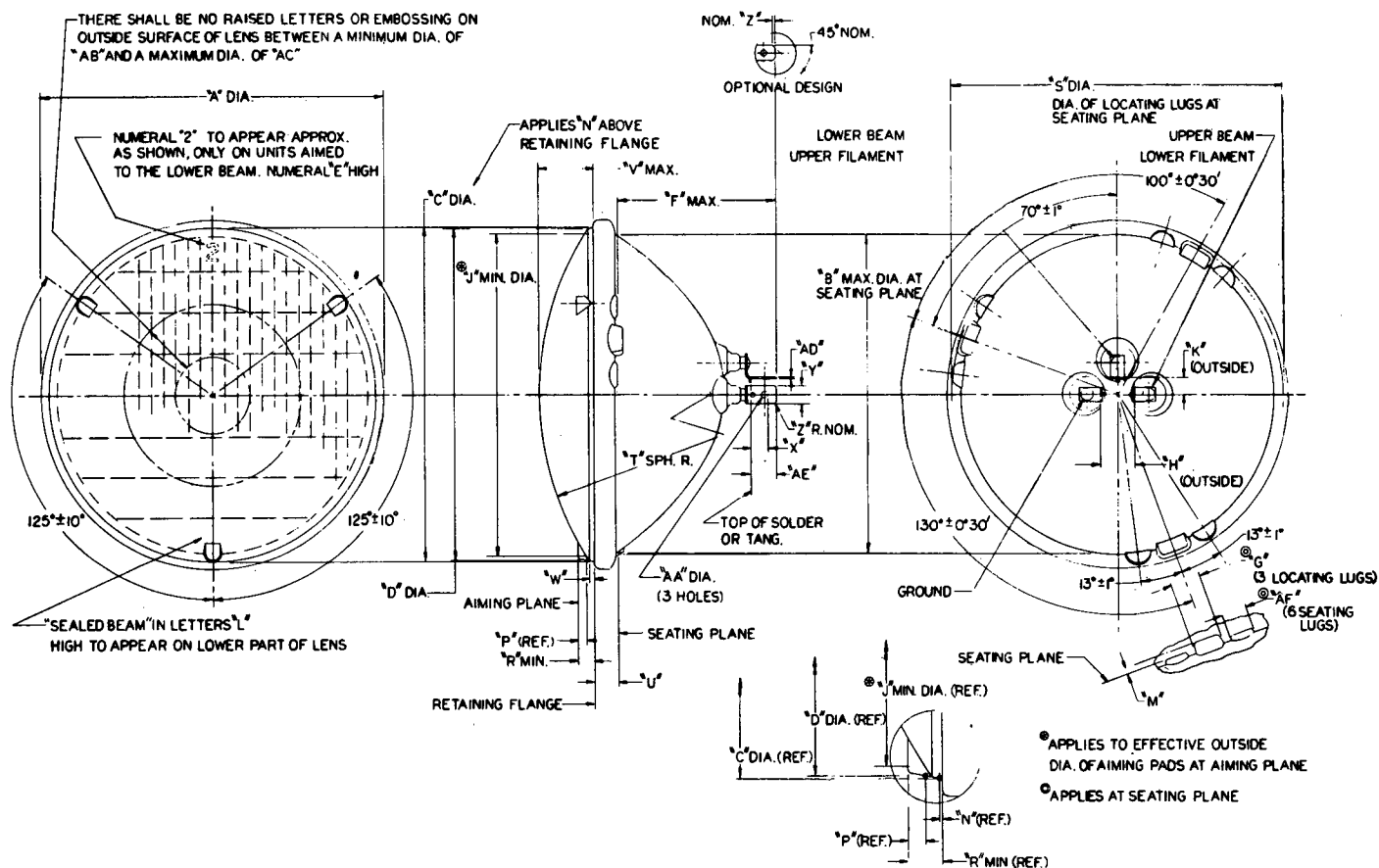


FIG. 2 - (A) FRONT VIEW OF SLOT OR NOTCHES FOR 7 IN (178 mm) DIAMETER SEALED BEAM HEADLAMP MOUNTING RING OR LAMP BODY; (B) SEALED BEAM HEADLAMP UNIT RETAINING RING



DIMENSIONS

Letter	In	mm	Letter	In	mm
A	7.031 ^{+0.000} _{-0.109}	178.58 ⁺⁰ _{-2.76}	S	6.770 ^{+0.000} _{-0.040}	171.95 ⁺⁰ _{-1.01}
B	6.380	162.05	T	6.000 ^{+0.250} _{-0.000}	152.40 ^{+6.35} ₋₀
C	6.687 ^{+0.000} _{-0.030}	169.84 ⁺⁰ _{-0.76}	U	0.500 ± 0.040	12.70 ± 1.01
D	6.595 - 6.675	167.52 - 169.54	V	1.150	29.21
E	3/8 ± 1/32	9.52 ± 0.79	W	0.078 ^{+0.062} _{-0.000}	1.98 ^{+1.57} ₋₀
F	3.500	88.90	X	0.345 ^{+0.060} _{-0.000}	8.76 ^{+1.52} ₋₀
G	0.575 ^{+0.000} _{-0.025}	14.60 ⁺⁰ _{-0.63}	Y	0.304 ^{+0.016} _{-0.000}	7.72 ^{+0.40} ₋₀
H	0.670 ^{+0.035} _{-0.000}	17.01 ^{+0.88} ₋₀	Z	0.06	1.52
J	6.450	163.83	AA	0.120 ^{+0.010} _{-0.000}	3.04 ^{+0.25} ₋₀
K	0.333 ^{+0.020} _{-0.000}	8.45 ^{+0.50} ₋₀	AB	1.50	38.10
L	1/4 ± 1/32	6.35 ± 0.79	AC	3.60	91.44
M	0.106 ^{+0.100} _{-0.000}	2.69 ^{+2.54} ₋₀	AD	0.030 ± 0.002	0.76 ± 0.05
N	0.030	0.76	AE	0.535 ^{+0.000} _{-0.070}	13.58 ⁺⁰ _{-1.77}
P	0.180	4.57	AF	0.50 ± 0.25	12.70 ± 6.35
R	0.350	8.89			

FIG. 1 - SEALED BEAM HEADLAMP UNIT, 7 IN (178 mm) DIAMETER